INTERNATIONAL SEARCH REPORT

International application No. PCT/US99/10947

A. CLASSIFICATION OF SUBJECT MATTER IPC(6) :G01N 15/02; A61N 5/06 US CL :356/337; 606/7, 10, 15 According to International Patent Classification (IPC) or to both national classification and IPC			
B. FIELDS SEARCHED			
Minimum documentation searched (classification system followed by classification symbols)			
U.S. : 356/337; 606/7, 10, 15			
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched NONE			
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) U.S. PTO APS			
C. DOCUMENTS CONSIDERED TO BE RELEVANT			
Category* Citation	n of document, with indication, where a	ppropriate, of the relevant passages	Relevant to claim No.
X US 5,9 docume	16,210 A (Winston) 29 June nt.	1999 (29/06/99), see entire	1-7,12,24, 25
	US 5,797,836 A (Lucey et al.) 25 August 1998 (25/08/98), see entire document.		8,9-11,13, 16-23
docume			1-25
Further documents are listed in the continuation of Box C. See patent family annex.			
Special categories of cited documents: T later document published after the international filing date or prioring date and not in conflict with the application but cited to understand the to be of particular relevance. Ta' document defining the general state of the art which is not considered to be of particular relevance.			ation but cited to understand the
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"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)		"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is	
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"P" document published prior to the international filing date but later than "&" the priority date claimed		*& document member of the same patent family	
Date of the actual comp	letion of the international search	Date of mailing of the international sea	rch report
27 JULY 1999		$\frac{1}{\lambda}$	7 SEP 1999
Name and mailing address of the ISA/US Commussioner of Patents and Trademarks Box PCT Washington, D.C. 20231		Authorized officer MICHAEL P. STAFIRA	Henry-Leer